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Human tyrosine kin
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JNK antisense olig
JNK antisense olig
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JNK1 antisense oli
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Synthetic gene shG
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#16987 for g
brain expres
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#15912 for g
#22081 used
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Human SNP oligonuc
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Oligonucleotide #4
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AAI33024
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AAA637264
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ABA50473
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 AAI30734 standard; DNA; 31
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The invention relates to the identification of nucleic acid molecules (AAI29513-AAI31314) from the human genome which include polymorphic sites which can predispose individuals to disease. Various genes from a number of individuals were resequenced and single nucleotide polymorphisms (SNPs) in these genes discovered. The method is useful for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype. The nucleic acids containing the polymorphic sites may be useful in forensics and paternity
                                                                                                                                                                                                                                                                                                                                                                                                                   Nucleic acid molecules from the human genome which include polymorphic sites, useful in methods for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype -
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22-MAY-2000; 2000US-0206129
                                                                                  07-MAR-2001; 2001WO-US07268
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Pred. No. 7.6e-05;
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replace(16,T)
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22-MAY-2000; 2000US-0206129.
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                         Homo sapiens
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Best Local S1
Matches 31;
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                                                                                                                        The invention relates to the identification of nucleic acid molecules (AAI29513-AAI31314) from the human genome which include polymorphic sites which can predispose individuals to disease. Various genes from a number of individuals were resequenced and single nucleotide polymorphisms (SNPs) in these genes discovered. The method is useful for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype. The nucleic acids containing the polymorphic sites may be useful in forensics and paternity
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                                                  Nucleic acid molecules from the human genome which include polymorphic sites, useful in methods for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype
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/standard_name= "single nucleotide polymorphism"
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100.0%; Pred. No. 7.6e-05;
1ve 0; Mismatches 0;
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single nucleotide polymorphism; SNP; ss.
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Best Local Similarity 100.0
Matches 31; Conservative
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           Ireland JS,
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                                                         The invention relates to the identification of nucleic acid molecules (AAI29513-AAI31314) from the human genome which include polymorphic sites which can predispose individuals to disease. Various genes from a number of individuals were resequenced and single nucleotide polymorphisms (SNPs) in these genes discovered. The method is useful for predicting the presence, absence or severity of a particular phenotype or discoder (e.g. diabetes) associated with a particular genotype. The nucleic acids containing the polymorphic sites may be useful in forensics and paternity
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100.0%; Pred. No. 7.6e-05;
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Claim 1; Page 104; 145pp; English.
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22-MAY-2000; 2000US-0206129.
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Matches 31; Conservative
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1657 acagagagccagtaccaacagcagcca 1683

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33 ACAGAGGCCAGTACCAACAGCAGCCA 7

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AAH41491 standard; DNA; 32

RESULT AAH41491

23-AUG-2001 (first entry)

AAH41491;

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diabetes) associated with a particular genotype. The nucleic acids containing the polymorphic sites may be useful in forensics and paternity
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100.0%; Pred. No. 7.6e-05;
                                                                   Sequence 31 BP; 12 A; 11 C; 5 G; 3 T; 0 other;
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Conservative 0; Mismatches
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                                                                                                               Query Match
Best Local Similarity
Matches 31; Conserv
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                                                                                                                               Human; tyrosine kinase Hck binding protein; tyrosine kinase; Hck; tumour lethal factor; tumour necrosis factor alpha; apoptosis; HSB-1; Hck signal transduction; human immunodeficiency virus; HIV infection; anticancer; PCR primer; sh
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100.0%; Pred. No. 0.022;
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Matches 26; Conservative
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                                                                                                                                                                                                                                 Homo sapiens
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                                                                                                                                                                                                                                                                                                           10-MAY-2001.
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Gaps

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Query Match 1.3%; Score 27; DB 22; Length 33; Best Local Similarity 100.0%; Pred. No. 0.0071; Matches 27; Conservative 0; Mismatches 0; Indels

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WO200132869-A1
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                                                                                                        29-OCT-1999;
                                                                                                                                                                                                                                transduction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05-MAR-2002
          Homo sapiens
                                                                                                                                                         faniyama T,
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                                                          10-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABL00375;
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                                                                                                                                                                                                                                                                                                                                                                                                      The present invention describes a protein, designated HSB-1, which binds to human tyrosine kinase Hck. Also described are: (1) nucleic acids encoding the protein and its derivatives; (2) recombinant vectors containing the nucleic acids; and (3) host cells transformed by the vectors and expressing the protein. HSB-1 has cytostatic activity, binds tyrosine kinase, enhances tumour necrosis factor alpha and promotes apoptosis. HSB-1 proteins are used for the elucidation of the mechanism of Hck signal transduction and of the role of Hck in human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      immunodeficiency virus (HIV) infection. They can be used for the treatment of infections and other diseases with which Hck is associated. They promote the anticancer activity of tumour necrosis factor alpha. The present sequence represents a PCR primer used in the cloning of HSB-1, which is used in an example from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; tyrosine kinase Hck binding protein; tyrosine kinase; Hck; tumour lethal factor; tumour necrosis factor alpha; apoptosis; HSB-1; Hck signal transduction; human immunodeficiency virus; HIV infection; anticancer; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                  New proteins which bind to human tyrosine kinase Hck for promotion of apoptosis and for the elucidation of the mechanism of Hck signal
                                                                 Human; tyrosine kinase Hck binding protein; tyrosine kinase; Hck; tumour lethal factor; tumour necrosis factor alpha; apoptosis; HSB-1; Hck signal transduction; human immunodeficiency virus; HIV infection; anticancer; PCR primer; ss.
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                                               Human tyrosine kinase Hck binding protein cloning PCR primer SEQ:4.
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100.0%; Pred. No. 0.022;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 32 BP; 7 A; 10 C; 9 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      796 gacgggctctgccagaaactgtcggt 821
                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Page 31; 45pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    32 GACGGCTCTGCCAGAAACTGTCGGT 7
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                                                                                                                                                                                                           26-OCT-2000; 2000WO-JP07500.
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                         (first entry)
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"a+ches 26; Conservative
                                                                                                                                                                                                                                                                                  Taniyama T, Narita T;
                                                                                                                                                                                                                                                                                                           WPI; 2001-316440/33.
                                                                                                                                                                                                                                                          (SSSE ) SSP CO LTD.
                                                                                                                                                          WO200132869-A1.
                                                                                                                                                                                                                                                                                                                                                            transduction
                        23-AUG-2001
                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                  29-OCT-1999;
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 AAH41492;
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The present invention describes a protein, designated HSB-1, which binds to human tyrosine kinase Hck. Also described are: (1) nucleic acids cenceding the protein and its derivatives; (2) recombinant vectors containing the nucleic acids; and (3) host cells transformed by the vectors and expressing the protein. HSB-1 has cytostatic activity, binds tyrosine kinase, enhances tumour necrosis factor alpha and promotes apoptosis. HSB-1 proteins are used for the elucidation of the mechanism of Hck signal transduction and of the role of Hck in human immunodeficiency virus (HIV) infection. They can be used for the treatment of infections and other diseases with which Hck is associated. They promote the anticancer activity of tumour necrosis factor alpha. They present sequence represents a PCR primer used in the cloning of HSB-1, which is used in an example from the present invention.
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                                                                                                                                                                                                                                                                                                                                                      New proteins which bind to human tyrosine kinase Hck for promotion of apoptosis and for the elucidation of the mechanism of Hck signal
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100.0%; Pred. No. 0.068;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human silent noncoding SNP oligonucleotide SEQ ID NO:366.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 32 BP; 8 A; 9 C; 10 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 4; Page 41; 45pp; Japanese.
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26-OCT-2000; 2000WO-JP07500
                                                                        99JP-0309957
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Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                                                                                                    Narita T;
                                                                                                                                            (SSSE ) SSP CO LTD.
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Homo sapiens.
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                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                               Comprising one or more single nucleotide polymorphisms (SNPs). ABB56531

comprising one or more single nucleotide polymorphisms (SNPs). ABB56531

to ABB56903 represent human peptides encoded by some of the SNP

coligonucleotides. The sequences from the present invention can have
immunosuppressive, cytostatic, antiinflammatory, neuroprotective and
antimorobial activities. Nucleic acids, polypeptides, oligonucleotides
and antibodies from the present invention can be used for treating a
and antibodies from, at risk for, or suspected of, suffering from a
pathology ascribed to the presence of a sequence polymorphism. The
pathology asptem, and infection by pathogenic microorganisms. The SNPs

care also useful for determining which forms of a characterised
polymorphism are present in individuals. The antibodies may be used in
the detection, quantitation and/or cellular or tissue localisation of a
polymorphic protein (e.g., for use in measuring levels of the
                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                             Isolated human nucleic acids comprising one or more single nucleotide polymorphisms, useful for treating a subject suffering from a pathology, e.g. autoimmune diseases, ascribed to the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; tyrosine kinase Hck binding protein; tyrosine kinase; Hck; tumour lethal factor; tumour necrosis factor alpha; apoptosis; HSB-1; Hck signal transduction; human immunodeficiency virus; HIV infection; anticancer; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                          1.2%; Score 25; DB 23; Length 51; larity 100.0%; Pred. No. 0.068; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 359; 674pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH41500 standard; DNA; 32 BP
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                                                                                                               sequence polymorphism -
                                 Shimkets RA, Leach M;
         (CURA-) CURAGEN CORP.
                                                       WPI; 2001-355949/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-316440/33.
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Best Local Similarity
Matches 25; Conserv
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The present invention describes a protein, designated HSB-1, which binds to human tyrosine kinase HCk. Also described are: (1) nucleic acids encoding the protein and its derivatives; (2) recombinant vectors containing the nucleic acids; and (3) host cells transformed by the vectors and expressing the protein. HSB-1 has cytostatic activity, binds tyrosine kinase, enhances tumour necrosis factor alpha and promotes apoptosis. HSB-1 proteins are used for the elucidation of the mechanism of Hck signal transduction and of the role of Hck in human immunodeficiency virus (HIV) infection. They can be used for the treatment of infections and other diseases with which Hck is associated. They promote the anticancer activity of tumour necrosis factor alpha. They present sequence represents a PCR primer used in the cloning of HSB-1, which is used in an example from the present invention.
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New proteins which bind to human tyrosine kinase Hck for promotion of apoptosis and for the elucidation of the mechanism of Hck signal transduction .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.2%; Score 24; DB 22; Length 32;
100.0%; Pred. No. 0.21;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 32 BP; 9 A; 4 C; 10 G; 9 T; 0 other;
                                                                                                                                                                                                  Example 4; Page 41; 45pp; Japanese.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             529 gaggagtggtttttcaagggcatc 552
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Matches 24; Conservative
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was used to create a library of RRT-Hck SH3 domains. The generated SH3 domains are useful for inhibiting, activating or modifying the functions of cellular or pathogen-encoded proteins for research or therapeutic
                                                                           purposes
       8×86666
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Sequence 78 BP; 13 A; 13 C; 17 G; 17 T; 18 other

Gaps ö Score 24; DB 22; Length 78; Pred. No. 0.21; 0; Indels 100.0%; Pred. gacctcagcttccagaaggggac 414 Query Match 1.2 Best Local Similarity 100. Matches 24; Conservative 391 ŏ

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Human gene single nucleotide polymorphism #385. BP. AAF95624 standard; DNA; 21 (first entry) 06-JUN-2001 AAF95624;

Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forenaics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds. Homo sapiens

/standard_name= "single nucleotide polymorphism" Location/Qualifiers replace(11,C) Variation

WO200118250-A2.

15-MAR-2001

99US-0153357. 2000US-0220947. 2000US-0225724. 10-SEP-1999; 26-JUL-2000;

16-AUG-2000;

07-SEP-2000; 2000WO-US24503

(WHED) WHITEHEAD INST BIOMEDICAL RES (MILL-) MILLENNIUM PHARM INC.

Daley GQ, ŝ Bolk Ireland JS, Gargill M, Lander ES,

McCarthy JJ;

Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and WPI; 2001-226749/23.

Examples; Page 75; 242pp; English.

atherosclerosis

The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also useful in forensics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of

the human gene SNPS shown in the specification.

SXS

Sequence 21 BP; 3 A; 7 C; 6 G; 5 T; 0 other;

Length 21; 0; Indels Score 21; DB 22; Pred. No. 6.3; Mismatches Pred. No. 1.0%; Scc... 100.0%; Pred 0; M Best Local Similarity 100. Matches 21; Conservative Query Match

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Gaps

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> 507 ccgcgttgactctctggagac 527 21 1 ccgcgttgactctctggagac ŏ ΩD

> > ö

14 AAF95625

AAF95625 standard; DNA; 21 BP.

AAF95625;

(first entry) 06-JUN-2001

Human gene single nucleotide polymorphism #386.

Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism: pulmonary embolism; paternity test; ds.

Homo sapiens

Location/Qualifiers replace(11,T) Key Variation

/standard_name= "single nucleotide polymorphism"

WO200118250-A2

15-MAR-2001

07-SEP-2000; 2000WO-US24503

99US-0153357 2000US-0220947 2000US-0225724 10-SEP-1999; 16-AUG-2000; WHED) WHITEHEAD INST BIOMEDICAL RES. (MILL-) MILLENNIUM PHARM INC McCarthy JJ; Daley GQ, Gargill M, Ireland JS, Bolk S, Lander ES,

WPI; 2001-226749/23

Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and atherosclerosis

Examples; Page 75; 242pp; English.

The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNBs) are also useful in forenaics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification.

Sequence 21 BP; 8 A; 4 C; 7 G; 2 T; 0 other;

Pred. No. 6.3;

Best Local Similarity

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                                                                                                                                                                                                                                                                                                                             polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
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                                                                                                                                                                                                                                                                                                               Human; variant thrombospondin 1; variant thrombospondin 4; SNP;
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1.0%; Score 21; DB 22; Length 21; 100.0%; Pred. No. 6.3; 0; Indels ive 0; Mismatches 0; Indels
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2000US-0225724.
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                                 21; Conservative
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16-AUG-2000;
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                                                                                                                                                                                                                                                                                   Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
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Pred. No. 6.3;
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                           Mismatches
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100.08; PIT
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16-AUG-2000; 2000US-0225724
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Best Local Similarity 100.
Matches 21; Conservative
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Variation
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WPI; 2001-226749/23.
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                                                                                                                                                                                                                            polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
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Best Local Similarity 100.0%; Pr
Matches 21; Conservative 0;
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AAF95628 standard; DNA; 21
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16-AUG-2000;
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AAF95629 standard; DNA; 21 BP.
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26-JUL-2000; 2000US-0220947.
16-AUG-2000; 2000US-0225724.
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WPI; 1995-206931/27.
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                                                                                                                                        Human; variant thrombospondin 1; variant thrombospondin 4; SNP;
polymorphism; vascular disease; coronary artery disease; forensics;
myocardial infarction; atherosclerosis; stroke; venous thromboembolism;
pulmonary embolism; paternity test; ds.
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                                                                                                          Human gene single nucleotide polymorphism #391.
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                                                                                                                                                                                                                                                      Location/Qualifiers
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                  BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           26-JUL-2000; 2000US-0220947.
16-AUG-2000; 2000US-0225724.
                                                                                                                                                                                                                                                                                                                                                                                             07-SEP-2000; 2000WO-US24503
                                                                                                                                                                                                                                                                                                                                                                                                                            99US-0153357.
              AAF95630 standard; DNA; 21
                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                WO200118250-A2
                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                           10-SEP-1999;
                                                                             06-JUN-2001
                                                                                                                                                                                                                                                                                                                                                               15-MAR-2001
                                                                                                                                                                                                                                                                     Variation
                                              AAF95630;
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ID AAT4
AAF95630
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Primers T41001-T41382 are derived from novel human gene signature (GS) sequences which did not match with sequences deposited in Genbank release 76. The GS sequences (T19001-T26837) were obtained from 3 '-directed cDNA libraries prepared from various human tissues; synthesis of cDNA was initiated from the 3'-end of mRNA by using poly(T) as the sole primer. Bach library is constructed so as to reflect accurately the relative abundance of different mRNAs in the particular tissue from which it was determined (esp. using primers and probes derived from the GS sequences) as a means of diagnosing abnormal cell function or for recognising different cell types. The primers fullows amount of the panding abnormal cell function or for recognising different cell types. The primers fullows amount of the moment of the COMPRISHED COMPRISHED COMPRISHED THE COMPRISHED COMPRISHED THE COMPRISHED COMPRISHED THE C
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                                                                                                                                                                                                                         Gene signature; messenger RNA; mRNA; relative abundance; frequency; human; cloning; mapping; non-blased library; diagnosis; detection; cell typing; abnormal cell function; primer; PCR; amplification; polymerase chain reaction; ss.
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                                                                                                       Human gene signature HUMGS01089-derived sense primer.
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19;
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100.0%; Pred. No. 1...
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03-DEC-1996 (first entry)
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ID AAT41208 standard; DNA; 20
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Best Local Similarity 100.
Matches 20; Conservative
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28-DEC-2000; 2000WO-US35498. 28-DEC-1999; 99US-0173419. 27-DEC-2000; 2000US-0173419.

05-JUL-2001

Shimkets RA, Leach M; (CURA-) CURAGEN CORP.

WPI; 2001-465210/50

Sat May 18 14:43:30 2002

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Primers T41001-T41382-are derived from novel human gene signature (GS) sequences which did not match with sequences deposited in Genbank release 76. The GS sequences (T19001-T26837) were obtained from 3'-directed cDNA libraries prepared from various human tissues; synthesis of cDNA was initiated from the 3'-end of mRNA by using poly(T) as the sole primer. Bach library is constructed so as to reflect accurately the relative abundance of different mRNAs in the particular tissue from which it was determined (esp. using primers and probes derived from the GS sequences) as a means of diagnosing abnormal Cell function or for recognising different cell types. The primers fulloned on chromosome 20.
                                                                                                                                                                                                                                                                                          Identifying gene signatures in 3'-directed human cDNA library for diagnosis of abnormal cell function, by preparing cDNA that reflects relative abundance of corresp. mRNA in specific human
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                                                                                                                                                                                                                                                                                                                                                                         2245pp; Japanese,
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polymerase chain reaction; ss
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                                                                                                                        94WO-JP01916
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ID AAL33024 standard; DNA; 51
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                                                                                                                                                                                                                                   Matsubara K, Okubo K;
                                                                                                                                                                                    (MATS/) MATSUBARA K. (OKUB/) OKUBO K.
                                                                                                                                                                                                                                                              WPI; 1995-206931/27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                      Example 7; Fig 86
                                                                                                                        11-NOV-1994;
                                                                                                                                                      12-NOV-1993;
                                                          WO9514772-A1
                                                                                         11-JUN-1995
                              Synthetic.
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The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, andiopoietin, apoptosis related proteins, cadherin, cytolin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, cytochromes, kinesins, cytokines, interferons, interleukins, compensed not object to be protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide and the peptides encodes, by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autolumnne conservations of the proteins listed above. Disorders that may be prevented, alagnosed and/or treated include multifactorial diseases with a genetic component, such as autolumnne conservations of seases (e.g. rheumatosia and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, and a leukaemia), diseases of the nervous system and an infection of pathogenic

Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autolmmune diseases and infections -

Claim 1; Page 3170; 4143pp; English.

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Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoletin; appoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinase; cytokine; interferon; miterleukin; Grprotein coupled receptor; thioesterase; inflammation; nervous system disease; autoimmune disease; infection;
                                     Gaps
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0.9%; Score 19; DB 22; Length 51; 100.0%; Pred. No. 61; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                           Human SNP oligonucleotide #6233.
                                                                                                                                                                                       AAL33025 standard; DNA; 51 BP
                                                                      1232 actacatccaccgagacct 1250
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                                                                                        25 ACTACATCCACCGAGACCT
                   Best Local Similarity 100.
Matches 19; Conservative
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   Query Match
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05-JUL-2001.

Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; euroropotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cabherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinase; cytokine; interferor; interfeuking Grpotein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;

WO200147944-A2 Homo sapiens.

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Sequence 51 BP; 7 A; 14 C; 19 G; 11 T; 0 other;

organisms

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WPI; 2000-412314/35.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        ÷
                                                                                                                                  Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 19; DB 22; Length 51;
100.0%; Pred. No. 61;
iive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                Sequence 51 BP; 7 A; 12 C; 20 G; 12 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Barber JR, Robbins JM;
                                                                                                                                              oncogenes and histones, useful for diagnosi
cancer, autoimmune diseases and infections
                                                                                                                                                                             Claim 1; Page 3170; 4143pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP.
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         28-DEC-2000; 2000WO-US35498.
                               28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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Best Local Similarity 100.
Matches 19; Conservative
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                                                                                         Leach M;
                                                                 (CURA-) CURAGEN CORP.
                                                                                                            WPI; 2001-465210/50.
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                                                                                        Shimkets RA,
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Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme; recognition site; target; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; psorifasis; diabetic retinopathy; cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP; matrix metalloproteinase; growth factor; reductase; scarring; cytostatic; antissoriatic; dermatological; antiseborrheic; antidiabetic; virucide; antisickling; ophthalmological; keratolytic; gene therapy; viral wart; atopic dermatitis; actinic keratosis; squamous cell carcinoma; basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar;
                                                                                                                                                                                                                    The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1. Representative examples of ribozyme recognition sites are given in AAA8415 to AAA86787. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme is resistant to endonuclease activity and hence is efficient in restenosis treatment.
New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1, PCNA and Cyclin B1 -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cell-cycle dependent kinase cdk4 ribozyme binding site SEQ ID NO:465.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 18; DB 21; 1
100.0%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 1 A; 6 C; 7 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                  Disclosure; Page 53; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; PIC
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAH58041 standard; DNA; 19 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 gctgactttggcctggcc 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tritz R;
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nes 18; Conserv
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AAX29331,
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                                               The present invention describes a method for treating a proliferative skin or eye disease and scarring. The method involves administering a libozyme (1) which cleaves RNA encoding a cytokine involved in inflammation, matrix metalloproteinase (WMP), cyclin, cell-cycle dependent kinase, growth factor or a reductase, or administering a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid segment encoding (I). (I) can have antipsoriatic, dermatological, cytostatic, antiseborrheic, antidiabetic, antisickling, dermatological, cytostatic, antiseborrheic, antidiabetic, antisickling, captualmological, vulnerary, keracolytic and vircide activities, and cleaves RNA encoding cytokine involved in inflammation. (I) can be used in gene therapy. (I) and (II) are useful for treating proliferative is kin diseases such as psoriadis, atopic dermatitis, actinic keratosis, skin diseases such as psoriadis, atopic dermatitis, actinic keratosis, squamous or basal cell carcinoma and viral or seborrheic wart. They can also be used for treating proliferative eye diseases such as diabetic retinopathy, vircoretinopathy, sickle cell retinopathy, retinopathy of prematurity and retinal detachment, and for treating and preventing scarring such as keloid, adhesion and hypertrophic or hypertrophic burners and in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense oligonucleotide; Jun N-terminal kinase; JNK; hybridise; JNKl; JNK2; JNK3; cell cycle progression; phosphorylation; tumour; probe; hyperproliferative disease; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.9%; Score 18; DB 22; Length 19;
100.0%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chemically modified sense control probe ISIS No: 14318.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 19 BP; 1 A; 6 C; 7 G; 5 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exemplification of the present invention.
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Example 1; Page 105; 408pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAX29342 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-JUN-1999 (first entry)
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-181060/15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9909214-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 26
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The invention relates to antisense oligonucleotides that detect and

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The invention relates to antisense oligonucleotides that detect and modulate the expression of Jun N-terminal kinase (JMK) proteins. The oligonucleotides specifically hybridize to a nucleic acid encoding a JNKI, JNK2 or JNK3 protein, and which modulate expression of these proteins. The oligonucleotides are useful for modulating JNK protein. The oligonucleotides are also useful for modulating JNK protein of a protein that has been phosphorylated by a JNK protein, and the expression of a callular protein that passed also form modulating the phosphorylation of a protein of a callular protein that promotes one or more metastatic events. The oligonucleotides also form pharmaceutical compositions for treating animals with a hyperproliferative disease, and for inhibiting
modulate the expression of Jun N-terminal kinase (JNK) proteins. The oligonucleotides specifically hybridize to a nucleic acid encoding a NNK1, JNK2 or JNK3 protein, and which modulate expression of these proteins. The oligonucleotides are useful for modulating JNK protein expression and cell cycle progression in cultured cells or animal cells. The oligonucleotides are also useful for modulating the phosphorylation of a protein that has been phosphorylated by a JNK protein, and the expression of a cellular protein that promotes one or more metastatic events. The oligonucleotides also form pharmaceutical compositions for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense oligonucleotide: Jun N-terminal kinase; JNK; hybridise; JNK1; JNK2; JNK3; cell cycle progression; phosphorylation; tumour; probe; hyperproliferative disease; human; ss.
                                                                                                                                                                                                    treating animals with a hyperproliferative disease, and for inhibiting
                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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100.0%; Pred. No. 1.9e+02;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                     Sequence 20 BP; 2 A; 7 C; 7 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JNK2-specific probe ISIS No: 12560.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAX29331 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                             1300 gactttggcctggcccgg 1317
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                             tumor growth in an animal.
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                                                                                                                                                                                                                                                                                                                                                            Local Similarity
nes 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                          Query Match
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                                                                                                                                                                                                                                                                                                                                                                                    Matches
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tumor growth in an animal

1300 gactttggcctggcccgg 1317

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                                                                                                                                                                                                                                                                                                                                                                                                 Antisense; gene therapy; JNK2 protein; apoptosis; cancer; cellular hyperproliferation; Alzheimer's; Parkinson's disease; amylotrophic lateral sclerosis; retinitis; pigmentosa; epilepsy; myocardial infarction; stroke; obstructive jaundice; polycystic kidney; diabetes; Jun N-terminal kinase; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel methods for reducing apoptosis comprising contacting cells with antisense oligonucleotides, useful for treating apoptotic disorders,
                                                                                                                        Gaps
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                                                                                        Length 20;
                                                                                                                     Indels
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                                                                                 Score 18; DB 20; I
Pred. No. 1.9e+02;
0; Mismatches 0;
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                                Sequence 20 BP; 4 A; 7 C; 7 G; 2 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                     JNK antisense oligonucleotide ISIS #12560.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 133; 160pp; English.
                                                                               Query Match 0.9%; Sc
Best Local Similarity 100.0%; P
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                 AAC62874 standard; DNA; 20 BP
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                                                                                                                                                 1300 gactttggcctggcccgg 1317
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                                                                                                                                                               Antisense; gene therapy; JNK2 protein; apoptosis; cancer; cellular hyperproliferation; Alzheimer's; Parkinson's disease; amylotrophic lateral sclerosis; retinitis; pigmentosa; epilepsy; myocardial infarction; stroke; obstructive jaundice; polycystic kidney;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel methods for reducing apoptosis comprising contacting cells with antisense oligonucleotides, useful for treating apoptotic disorders,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 18; DB 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 2 A; 7 C; 7 G; 4 T; 0 other;
                                                                                                                               JNK antisense oligonucleotide ISIS #14318.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nero PS,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 4; Page 135; 160pp; English.
                                                                                                                                                                                                                                 diabetes; Jun N-terminal kinase; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Scc.
100.0%; Pre-
                                AAC62885 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dean NM, Monia BP,
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                                                                                                                                                                                                                                                                                                                                                             04-APR-2000; 2000WO-US08880
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                                                                                               06-FEB-2001 (first entry)
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Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS PHARM INC
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                                                                                                                                                                                                                                                                                               WO200059549-A1.
                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                              07-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               e.g. cancer
                                                                AAC62885;
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RESULT 29
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AAA48651/c
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                AAC62885
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0;

Gaps

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0.9%; Score 18; DB 21; Length 20; 100.0%; Pred. No. 1.9e+02; tive 0; Mismatches 0; Indels

Query Match 0.9° Best Local Similarity 100. Matches 18; Conservative

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Modulating cell adhesion molecule expression for treating immune or inflammatory diseases involves treating cell with specific inhibitor of Tumour Necrosis Factor alpha signalling molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            present sequence is the JNK2 antisense oligonucleotide. The antisense oligonucleotides used in the method contained modifications, namely phosphorothioate linkages and 2 methoxyethoxy bases. Some C residues also had a 5 methyl modification. Inhibitors of the TNF alpha signalling molecules have antibacterial, immunosuppressive, antibacitic, antidiabetic, antithyroid, cytostatic, dermatological, antiallergic and antiinflammatory activity. The antisense inhibitors may be useful for the treatment of sepsis, rheumatoid arthritis, inflammatory, immune disease, inflammatory bowel disease, allergic contact dermatitis, psoriasis, diabetes, Grave's disease, allograft
                                                                                        Antisense; E-selectin; TNF alpha; cell adhesion; tumour necrosis factor alpha; phosphorothicate; methoxyethoxy; sepsis, rhemmatoid arthritis; inflammatory; immune disease; inflammatory bowel disease; allergic contact dermatitis; psoriasis; diabetes; Grave's disease; allergic contact dermatitis; psoriasis; immunosuppressive; antipsoriatic; antidiabetic; antithyroid; cytostatic; dermatological; antiallergic; Ha-ras; c-raf; c-Jun N-terminal kinase; JNK; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A novel method for modulating cell adhesion molecule expression involves antisense inhibition of a tumour necrosis factor (TNF) alpha signalling molecule. In the method TNF alpha signalling molecules Ha-ras, c-raf and c-Jun N-terminal kinase (JNK)2 were inhibited by antisense oligonucleotides. In addition an antisense oligonucleotide to the cell adhesion molecule E-selectin was also examined. The
                                                                                                                                                                                                                                                                                                                                                                                                                    /mod_base= OTHER
/note= "Phosphorothioate internucleotide linkage"
                                                           Antisense oligonucleotide ISIS no.15354 to human JNK2 gene.
                                                                                                                                                                                                                                                                                                                                   /mod_base= OTHER
/note= "All bases are 2'-methoxyethoxy,
additionally C bases are m5c"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          are 2'-methoxyethoxy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "All bases are 2'-methoadditionally C bases are m5c"
                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 36; Page 46; 100pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER
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                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         rejection and cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      xu xs;
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                                                                                                                                                                                                                                                                                        Key
modified_base
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                                                                                                                                                                                                                                                      Homo sapiens
                                20-SEP-2000
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 AAA48651;
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                                                                                                                                                                                                                                                                                                                  /note= "This oligonucleotide is a 2'-0-methoxyethyl (MOE) chimeric antisense oligonucleotide containing five MOE/phoshopdiester residues flanking a 2'-deoxynucleotide/phosphorothioate region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of Jun Kinase antisense mRNA for treating cancer by administering vector comprising promoter operably linked to DNA sequence that encodes the antisense mRNA to patient diagnosed with cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to the use of Jun Kinase (JNK) antisense oligonuclectides for treating cancer and for screening compounds that mimic or augment the effect of JNK antisense oligonucleotides treatment for cancer. The present sequence is one such JNK antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                           Gaps
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                                                                                                                                                                                                                              phosphorothioate; ss
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   Length 20;
                           Indels
                                                                                                                                                                                             JNK1 antisense oligonucleotide, JNK2AS, (ISIS #12560).
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Pred. No. 1.9e+02;
0; Mismatches 0;
  ore 18; DB 21; Lv
red. No. 1.9e+02;
Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (USSH ) US DEPT HEALTH & HUMAN SERVICES.
     Score 18;
Pred. No.
                                                                                                                                                                                                                    NK; jun kinase; antisense; cytostatic; '-O-methoxyethyl oligonucleotide; MOE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Holbrook NJ;
                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                            "OTHER"
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100.0%; Pre
0;
0.9%; Scc...
100.0%; Pre
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                                                                                                                              AAH23754 standard; DNA; 20 BP.
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/mod_base=
                                                                                                                                                                           (first entry)
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                             Conservative
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        Query Match
Best Local Similarity
Matches 18; Conserv
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                                                                                                                                                                          13-AUG-2001
                                                                                                                                                                                                                                                        Synthetic
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                                                                                                                                                     AAH23754;
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                                                                                                            RESULT
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32

RESULT

T; 0 other;

Sequence 20 BP; 4 A; 7 C; 7 G; 2

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WPI; 2001-316440/33.
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Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                  (SSSE ) SSP CO LTD.
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                                                                                                 WO200132869-A1.
                                                                                                                                                               29-OCT-1999;
                                                                              Homo sapiens
                                                                                                                                                                                                       raniyama T,
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                                                                                                                      10-MAY-2001
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ID AAA8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QQ
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                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to a method for stimulating an immune response. The method comprises administering an immunostimulatory nucleic acid to a non-rodent subject in sufficient quantity to stimulate an immune response. The present sequence is one such immunostimulatory nucleic acid. The immunostimulatory nucleic acids can be pyrimidine rich (py-rich) or thymidine (T) rich. The method is used to vaccinate subjects against tumour antigens, viral antigens (e.g. herpesviridae, retroviridae and/or orthomyxoviridae), bacterial antigens (e.g. toxoplasma, haemophilus, campylobacter, clostridium, Escherichia coli and/or staphylococcus), fungal antigens and/or parastitic antigens. The method is slaso useful for preventing cancer, asthma, infectious disease, allergy or immune deficiency. The present sequence can also be used to redirect a full to a thi immune response and to activate immune cells.
                                                                                               Vaccine; cytostatic; virucidal; bactericidal; fungicidal; anti-parasitic; immunostimulatory; tumour; viral infection; bacterial infection; fungal infection; parasitic infection; cancer; asthma; infections disease, allergy; immune deficiency; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                   diseases, allergies and asthma nucleic acids .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Pred. No. 1.9e+02;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 4 A; 7 C; 7 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                   Vaccinating against tumors, infectious using immunostimulatory Py-rich and TG
                                                                             Immunostimulatory nucleic acid #299.
                                                                                                                                                                                                                                                                                                                                                                                Claim 101; Page 44; 338pp; English.
                                                                                                                                                                                                                                                                                                            Vollmer J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; SCOLV
100.0%; Pre
AAH41497 standard; DNA; 34 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1300 gactttggcctggcccgg 1317
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Best Local Similarity 100 Matches 18; Conservative
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AAH41497
ID AAH4
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The present invention describes a protein, designated HSB-1, which binds to human tyrosine kinese Hck. Also described are: (1) nucleic acids encoding the protein and its derivatives; (2) recombinant vectors containing the nucleic acids, and (3) host cells transformed by the vectors and expressing the protein. HSB-1 has cytostatic acitivity, binds tyrosine kinase, enhances tumour necrosis factor alpha and promotes apoptosis. HSB-1 proteins are used for the elucidation of the mechanism of Hck signal transduction and of the role of Hck in human immunodeficiency virus (HIV) infection. They can be used for the rile treatment of infections and other diseases with which Hck is associated. They promote the anticancer activity of tumour necrosis factor alpha. The present sequence represents a PCR primer for the human tyrosine kinase Hck, which is used in an example from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New proteins which bind to human tyrosine kinase Hck for promotion of apoptosis and for the elucidation of the mechanism of Hck signal transduction
                                                         Human; tyrosine kinase Hck binding protein; tyrosine kinase; Hck; tumour lethal factor; tumour necrosis factor alpha; apoptosis; HSB-1; Hck signal transduction; human immunodeficiency virus; HIV infection; anticancer; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 18; DB 22; Lt
100.0%; Pred. No. 1.9e+02;
ive 0; Mismatches 0;
Human tyrosine kinase Hck PCR primer SEQ ID NO:9.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99JP-0309957.
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ö Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme; recognition site; target; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; psoriasis; diabetic retinopathy; cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP; matrix metalloproteinase; growth factor; reductase; scarring; cytostatic; antipsoriatic; dermatological; antiseborrheic; antidiabetic; virucide; antisickling; ophthalmological; keratolytic; gene therapy; viral wart; atopic dermatitis; actinic keratosis; squamous cell carcinoma; basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar; The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1. Representative examples of ribozyme recognition sites are given in AAA802415 to AAA86787. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme into cells. New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1, PCNA and Cyclin B1 Cell-cycle dependent kinase cdk4 ribozyme binding site SEQ ID NO:464. Gaps The ribozyme is resistant to endonuclease activity and hence is efficient in restenosis treatment. ; 0.8%; Score 17; DB 21; Length 19; 100.0%; Pred. No. 5.8e+02; ive 0; Mismatches 0; Indels Sequence 19 BP; 1 A; 5 C; 7 G; 6 T; 0 other; Tritz R, Welch PJ, Barber JR, Robbins JM; Disclosure; Page 53; 109pp; English. AAH58040 standard; DNA; 19 BP. sickle cell retinopathy; ss 99WO-US28772 98US-0110954 1297 gctgactttggcctggc 1313 (first entry) Ouery Match Best Local Similarity 100.0 Matches 17; Conservative 3 gctgactttggcctggc 19 (IMMU-) IMMUSOL INC. WPI; 2000-412314/35 WO200130362-A2. 04-DEC-1998; 10-SEP-2001 sapiens 06-DEC-1999; 03-MAY-2001. Synthetic AAH58040; Ношо á THE STATE OF ŏ

Treating proliferative skin or eye diseases and scarring, us, ribozymes that cleave RNA encoding cytokines involved in infly matrix metalloproteinases, growth factors and cell-cycle dependential matrix α WPI; 2001-300427/31

Example 1; Page 105; 408pp; English.

The present invention describes a method for treating a proliferative skin or eye disease and scarring. The method involves administering a ribozyme (I) which cleaves RNA encoding a cytckine involved in inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle dependent kinase, growth factor or a reductase, or administering a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprision and virucide activities, and cleaves RNA encoding (I). (I) can have antipsoriatic, antisickling, cleaves RNA encoding cytchine involved in inflammation. (I) can be used in gene therapy. (I) and (II) are useful for treating proliferative skin diseases such as psoriasis, atopic dermatitis, actinic keratosis, squamous or basal cell carcinoma and viral or seborrheic wart. They can also be used for treating proliferative eye diseases such as diabetic retinopathy, vitreoretinopathy, sickle cell retinopathy, retinopathy of carrier and for treating and preventing mustrice manner. scarring such as keloid, adhesion and hypertrophic or hypertrophic burn scar. AAH57577 to AAH62099 represent sequences used in the exemplification of the present invention.

Sequence 19 BP; 1 A; 5 C; 7 G; 6 T; 0 other;

Gaps ö Length 19; 0; Indels 0.8%; Score 17; DB 22; 100.0%; Pred. No. 5.8e+02; iive 0; Mismatches 0; Best Local Similarity 100. Matches 17; Conservative Query Match

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1297 gctgactttggcctggc 1313 3 gctgactttggcctggc 19 δŏ g Search completed: May 17, 2002, 18:25:28 Job time: 6922 sec

99US-0161532.

26-OCT-1999;

Tritz R;

Robbins JM,

(IMMU-) IMMUSOL INC

26-OCT-2000; 2000WO-US29500

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549, App
172, App
172, App
17, App
39, Appl
39, Appl
15, Appl
15, Appl
15, Appl
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52, Appl
54, Appl
6, Appli
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US-08-413-118-78
US-08-24-657-54
US-08-709-209-197
US-08-101-197
US-08-113-489-11
US-08-117-489-11
US-08-117-489-11
US-08-117-489-11
US-08-417-210A-52
US-08-417-210A-52
US-08-417-210A-52
US-08-40-73-46-78
US-08-40-73-6
US-08-40-73-6
US-08-40-73-6
US-08-40-73-6
US-08-40-73-6
US-08-138-14
US-08-10-172
US-08-10-173
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US-08-944-496-15
US-08-925-767-15
US-09-233-510-39
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MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44
MEDIUM TYPE: STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,629A
FILING DATE: August 13, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: PENTIUM
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.1
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     RESULT 1
US-08-910-629A-31/C
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Sequence 42, Appl
Sequence 7, Appli
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42, Appl
31, Appl
42, Appl
71, Appli
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51, Appl
52, Appl
3, Appli
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19, Appl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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/cgn2_6/ptodata/2/ina/5B_COMB.seg:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
                      GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
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US-08-51-923-51
US-08-51-923-51
US-08-400-590A-11
US-08-942-423-51
US-08-951-923-52
US-08-951-923-52
US-08-951-923-3
US-08-09-198B-3
US-08-09-198B-3
US-08-09-058-389A-19
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US-08-584-040-7661
US-08-105-483-197
US-08-220-151-78
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US-08-910-629A-42

US-09-209-668-7

US-09-287-796-31

US-09-287-796-42

US-09-130-616-42

US-09-130-616-42

US-09-130-616-42

US-09-130-616-42

US-08-730-876-2

US-08-222-616-2

US-08-222-616-2
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                                                                                                                                                                                                                                                                                                  383533 seqs, 122816752 residues
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                                                                                    nucleic search, using sw model
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 105
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Match
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                                                                                                                                                                                                                     Sequence:
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us-10-007-010-3.rni

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DB 2;
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                                                                                                              Mismatches
                                                                    Query Match 0.9%; Score 18; Best Local Similarity 100.0%; Pred. No. Matches 18; Conservative 0; Mismatch
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-09-209-668-7/c
; ANTI-SENSE:
US-08-910-629A-42
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Sequence 42, Application US/08910629A

Patent No. 5877309

GENERAL INFORMATION:

APPLICANT: Robert A. McKay

APPLICANT: Nicholas M. Dean

APPLICANT: Brett Monia

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION OF JNK

TITLE OF INVENTION: PROTEINS

NUMBER OF SEQUENCES: 86

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                Length 20;
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STREET: 66 East Main Street
CITY: Mariton
STATE: NJ
                                                                                                                                                                                                                                                                                                                                                                                Ouery Match 0.9%; Score 18; DB 2; Best Local Similarity 100.0%; Pred. No. 23; Matches 18; Conservative 0; Mismatches
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MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB
MEDIUM TYPE: STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Jane Massey Licata
REGISTRATION NUMBER: 32.257
REFERENCE/DOCKET NUMBER: ISPH-0215
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488
INFORMATION FOR SEQ ID NO: 42:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: PENTIUM
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,629A
FILING DATE: August 13, 1997
                                                                                                      ISPH-0215
                                                        ALIONAEL MARE: ALGATA

REGISTRATION NUMBER: 32,257

REFERENCE/DOCKET NUMBER: 1SPH-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400

TELEPHONE: (609) 779-2408

INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear

NOPOLOGY: Linear
US-08-910-629A-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1300 gactttggcctggcccgg 1317
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ATTORNEY/AGENT INFORMATION:
                                         ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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STRANDEDNESS: Single
TOPOLOGY: Linear
        APPLICATION NUMBER:
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RESULT 4
US-09-287-796-31/C
US-09-287-796-31/C
; Sequence 31, Application US/09287796A
; Patent No. 613246
; GENERAL INFORMATION:
; APPLICANT: MCKAY, Robert A.
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Moria, Brett
; APPLICANT: Garde, William A.
; TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
; TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
; TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
; TITLE OF INVENTION: BOATE: 1999-04-07
; EARLIER TILING DATE: 1999-04-07
; EARLIER APPLICATION NUMBER: 09/130,616
; EARLIER FILING DATE: 1997-08-03
; NUMBER OF SEQ ID NOS: 165
                                                                                                                                                                                                                                                                            Sequence 7. Application US/09209668A

Patent No. 6114517
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Monia, Brett P.
APPLICANT: M. Xiaoxing S.
TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR
TITLE OF INVENTION: Alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES
FILE REPERENCE: ISPH-12-10
CURRENT APPLICATION NUMBER: US/09/209,668A
CURRENT APPLICATION NUMBER: US/09/209,668A
CURRENT PILING DATE: 1998-12-10
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
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Length 20;
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US-09-130-616-42
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                                                Query Match
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Fatent No. 6133246

GENERAL INFORMATION

APPLICANT: McNay, Robert A.

APPLICANT: Monia, Brett

APPLICANT: Monia, Brett

APPLICANT: Nero, Pam

APPLICANT: Mero, 
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APPLICANT: McKay, Robert A.
APPLICANT: Dean, Nicholas M.
APPLICANT: Dean, Nicholas M.
APPLICANT: Dean, Nicholas M.
APPLICANT: Monia, Brett
APPLICANT: Moro, Pam
APPLICANT: Garde, William A.
TITLE OF INVENTION: ANTIENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
FILE REFERENCE: ISPH-0318
CURRENT FILING DATE: 1998-08-07
EARLIER APPLICATION NUMBER: 08/910,629
EARLIER FILING DATE: 1997-08-03
NUMBER OF SEQ ID NOS: 178
SEQ ID NO 31
LENGTH: 20
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       Length 20;
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23;
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0.9%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 23;
Matches 18; Conservative 0; Mismatches
                                                                             Mismatches
       Score 18;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;. OTHER INFORMATION: Synthetic Sequence US-09-287-796-42
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Query Match 0.9%; Soc
Best Local Similarity 100.0%; P:
Matches 18; Conservative 0;
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                                                                                                                                         1300 gactttggcctggcccgg 1317
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                                                                                                                                                                                                                                                                                                                       RESULT 5
US-09-287-796-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
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APPLICANT: DUNN, Ashley R.;
APPLICANT: GRALIL, Dianne;
APPLICANT: GRALIL, Dianne;
APPLICANT: TARLINGTON, David M.;
APPLICANT: TARLINGTON, David M.;
APPLICANT: ARMES, Jane
AR
   Length 20
                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 20;
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0.9%; Score 18; DB 4;
100.0%; Pred. No. 23;
Live 0; Mismatches C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4;
23;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Synthetic Sequence US-09-130-616-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/08730876
Patent No. 5859314
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                    1300 gactttggcctggcccgg 1317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Felfe & Lynch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      805 Third Avenue
                                                                                                                                                                                               20 GACTITGGCCTGGCCCGG 3
                                   Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: New York City STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IBM PS/2
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OPERATING SYSTEM:
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Sequence 2, Application PC/TUS9504228

Sequence 2, Application PC/TUS9504228

GENERAL INFORMATION:
APPLICANT: Generate, Inc.
APPLICANT: Generate, Brian D.
APPLICANT: Gooddel, David
APPLICANT: Lee, James M.
APPLICANT: Tsai, Siao Phing
APPLICANT: Tsai, Siao Phing
APPLICANT: Wood, William I.
TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST ANTIBODIES
CORRESPONDENCES: 45
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Generatech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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ZIP: 94080
COMPUTER READBLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                              ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Prea. ...
                                                                                                                                                                                                                                                                              SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/22,616
FILING DATE: 4 APR-1994
CLASSIFICATION: 530
PRIOR APPLICATION PATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/00586
FILING DATE: 22-JAN-1993
PRIOR APPLICATION NUMBER: 07/826935
FILING DATE: 22-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 821P2
TELECHONE: 415/225-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 17;
100.0%; Pred. No.
                                   STREET: 460 Point San Bruno Blvd CITY: South San Francisco STATE: California CONTRY: USA
                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
           IITLE OF INVENTION: ANTIBODIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1420 gacgtctggtcctttgg 1436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELERAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 bases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23 GACGTCTGGTCCTTTGG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                            NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCT-US95-04228-2/c
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: NICHOLAS M. Dean
APPLICANT: NICHOLAS M. Dean
APPLICANT: Lex M. COWSETT
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
FILE REFERENCE: RTS-0120
CURRENT APPLICATION NUMBER: US/09/490,692
CURRENT APPLICATION NUMBER: US/09/490,692
NUMBER OF SEQ ID NOS: 176
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 17; DB 4; Length 20;
Pred. No. 72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
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APPLICATION NUMBER: US/08/730,876
FILING DATE: 18-Oct-1996
FILING DATE: 18-Oct-1996
FRICASIFICATION: 800
PRICA APPLICATION DATA:
APPLICATION NUMBER: 60/005,578
FILING DATE: 20-Oct-1995
ATTORNEY/AGBNT INFORMATION:
NAME: No. 5859314man D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5369 - JEL/NDH/SLH
TELECOMMUNICATION INFORMATION:
TELECHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO. 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Bennett, Brian D.
APPLICANT: Goeddel, David
APPLICANT: Lee, James M.
APPLICANT: Matthews, William
APPLICANT: Tsai, Siao Ping
APPLICANT: Wood, William I.
TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide US-09-490-692-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 17; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Pred. No. 72;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-490-692-71/c
; Sequence 71, Application US/09490692
; Patent No. 6180353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/08222616 Patent No. 5635177 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28 tcaggaggatgatgaag 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100. Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18 TCAGGAGGATGATGAAG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 GGGCAGTTTGGGGAAGT 1
                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear
US-08-730-876-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-222-616-2/c
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Gaps
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                                                                                                                                                                                                                                                   Length 24;
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                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 598, Application US/09225928
Patent No. 6352829
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
Jokhadze, George
Bibliashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAVING DIFFERENTIAL
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) OTHER INFORMATION: Oligonuclectide primer; SEQUENCE DESCRIPTION: SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/09/225,928
ELLING DATE: 05-Jan-1999
CLASSIFICATION: «CUKNOWN>
PRIOR APPLICATION LATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELEPHONE: 415-322-5070
TELEPHONE: 415-322-5070
TELEPHONE: 415-322-5070
TELEPATION NO: 598:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                              Score 16; DB 2; Lo
Pred. No. 2.3e+02;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
                                                                                                                                                            ; OTHER INFORMATION: oligonucleotide primer US-08-859-998-598
                                                                                                                                                                                                                                                Query Match 0.8%; Soc
Best Local Similarity 100.0%; Pi
Matches 16; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGIH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 1375
                                                                                                                                                                                                                                                                                                                                     1236 catccaccgagacete 1251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8
Best Local Similarity 100.
Matches 16; Conservative
                           : 24 base pairs
nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                               8 CATCCACCGAGACCTC 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: US
                                                                                              linear
                                                TYPE: nucleic
STRANDEDNESS:
                                                                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 13
US-09-225-928-598
                                                                                                                                         FEATURE:
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tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Chenchik, Alex
APPLICANT: Jokhadze, George
APPLICANT: Jokhadze, George
APPLICANT: Bibliashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF EXQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURBUT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
CLASSIPICATION: 435
PRIOR APPLICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
                      SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04228
                                                                                                                                                                                                                                                                     821P3PCT
                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/22616
FILING DATE: 04-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Wendy M. Lee
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 821P3PC
TELECOMMUNICATION INFORMATION:
TELEFAN: 415/25-1994
TELEFAN: 415/25-1994
TELEFAN: 415/25-1994
TELEFAN: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 598, Application US/08859998
; Patent No. 5994076
; GENERAL INFORMATION:
  PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 598:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.87
Best Local Similarity 100.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 415-854-0875
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: linear
PCT-US95-04228-2
                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
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US-08-859-998-598
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US-00-400-580A-11
Sequence 11, Application US/08400580A
Sequence 11, Application US/08400580A
Patent No. 5693501
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: Compounds and Methods To Determine
TITLE OF INVENTION: Presence of Histoplasma Capsulatum
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kristine H. Johnson
STREET: 123 No. 5693501th College Ave, Ste 213
CITY: Fort Collins
CITY: Fort Collins
STATE: CO
COUNTRY: USA
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100.0%; Pred. No. 7.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/400,580A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Preα. ν...
+'ve 0; Mismatches
                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Saile 4700
CITY: Los Angeles
STRATE: California
COUNTRY: U.S.A.
ZIP: 90071-2006
COMPUTER READBLE FORM:
MEDIUM TYPE: Storage
COMPUTER: Storage
COMPUTER: Word Perfect 5.1
CORPUTER: January 11, 1996
COMPUTER: January 11, 1996
CLASSIFICATION: S14
PRIOR APPLICATION DATA:
APPLICATION NUMBER: G0/005,974
FILING DATE: OCTOBER: G1995
ATTORNEY AGENT INFORMATION:
NUMBE: WAINDRANTION:
NUMBE: WAINDRANTICH ANDRESSE
NUMBE: WAINDRANTICH ANDRESSE
NUMBE: WAINDRANTICH ANDRESSE
NUMBE: WAINDRANTICH ANDRESSE
NUMBE: WAINDRANTICH ANDRANTICH ANDRESSE
NUMBE: WAINDRANTICH ANDRE
TITLE OF INVENTION: GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:

RAME: WAIDING, RICHARD J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 218/C

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 955-0440

TELER: 67-3510

INFORMATION FOR SEQ ID NO: 6218:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nuller acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.77
Best Local Similarity 100.
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
US-08-584-040-6218
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                                                                                                                                                                                                                                                                                                                 Sequence 51, Application US/08951923
Patent No. 6048693
GENERAL INFORMATION:
APPLICANT: Bitter, Grant
TITLE OF INVENTION: PHENOTYPIC ASSAYS OF CYCLIN/CYCLIN-DEPENDENT KINASE
TITLE OF INVENTION: FUNCTION
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward LLP
STREET: 5 Palo Alto Square, 3000 El Camino Real
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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ZIP: 9430-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/951,923
FILING DATE: October 16, 1997
FILING DATE: October 16, 1997

ATTORNEY/AGENT INFORMATION:
NAME: Neeley, Richard 1.
REGISTRATION NUMBER: 30,092
REGISTRATION NUMBER: 30,092
FELEPROED/COCKET NUMBER: BITT-01/02US
TELEPROED/COCKET NUMBER: BITT-ELEPROED/COCKET NUMBER: BITT-ELEPROED/COCKET NUMBER: BITT-ELEPROED/COCKET NUMBER: BITT-COLVING TELEPROED/COCKET NUMBER: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6218, Application US/08584040
; Sequence 6218, Application US/08584040
; Patent No. 6346319;
; Patent No. 6346319;
; APPLICANT: Pavco, Pamela
; APPLICANT: Bavco, Pamela
; APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Bscobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: OPNOSTIONS RELATED TO LEVELS
; TITLE OF INVENTION: OPNOSTILIAR ENDOTHELIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              single stranded
                                       1236 catccaccgagacete 1251
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                                                                                        8 CATCCACCGAGACCTC 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
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US-08-951-923-51/c
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US-08-951-923-51
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STATE: CA
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Gaps

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US-08-951-923-52

Sequence 52, Application US/08951923

TITLE OF INVENTION: PHENOTYPIC ASSAYS OF CYCLIN/CYCLIN-DEPENDENT KINASE

TITLE OF INVENTION: FUNCTION

NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:
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                   Length 31;
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                                                              0; Indels
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CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/951,923
FILING DATE: October 16, 1997
CLASSIFICATION: 435
ATTORNEY/AGBNT INFORMATION:
NAME: Neeley, Richard L.
REGISTRATION NUMBER: 30,092
REFERENCE/DOCKET NUMBER: BITT-001/02US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEQ 1000
TELECOMMUNICATION SEQ 10 NO: 52:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Cooley Godward LLP
STREET: 5 Palo Alto Square, 3000 El Camino Real
CITY: Palo Alto
                 0.7%; Score 15; DB 2; Le
100.0%; Pred. No. 7.2e+02;
Live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.7%; Score 15; DB 3; L
100.0%; Pred. No. 7.2e+02;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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GENERAL INFORMATION:
APPLICANT: Kruzel, Marian L.
APPLICANT: Kurecki, Tomasz.
APPLICANT: Gollnick, Paul D.
APPLICANT: Doyle, Darrell J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single stranded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.7%
Best Local Similarity 100.
Matches 15; Conservative
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                                       Best Local Similarity 100.
Matches 15; Conservative
                                                                                                     358 gccctgtatgattac 372
                                                                                                                              17 GCCCTGTATGATTAC 31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: US
ZIP: 94306-2155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
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US-08-951-923-52
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY:
STATE:
                        Query Match
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100.0%; Pred. No. 7.1e+02;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Hashimoto, Yasuhiro
APPLICANT: Takemoto, Yoshihiro
APPLICANT: Takemoto, Yoshihiro
TITLE OF INVENTION: Lck Binding Protein
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSES: 3401 Hillyiew Ave.
CITY: Palo Alto
STRATE: California
COUNTRY: U.S.A.)
ZIP: 94303
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPPRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/942,423
FILING DATE: 01-OCT-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/362,715
FILING DATE: 23-DEC-1994
ATTORNEY/AGENT INFORMATION:
                                 ATTORNEY AGENT INFORMATION:
NAME: Johnson, Kristine H.
REGISTRATION NUMBER: 36,835
REFERENCE/DOCKET NUMBER: P.1011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (970) 472-9650
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: $1ngle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "PCR primer'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Peries, Rohan
REGISTRATION WUMBER: 35,752
REFERENCE, DOCKET MUMBER: 28260
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 51, Application US/08942423 Patent No. 5891673 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415) 852-1698
TELEFAX: (415) 496-3529
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
08-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1051 aagctggtcaaactt 1065
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Best Local Similarity 100.
Matches 15; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 AAGCTGGTCAAACTT 15
                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: RNA
                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic STRANDEDNESS:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                          US-08-400-580A-11
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Patent No. 5658725
GENERAL INFORMATION:
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PREPARATION OF CHIMAERIC ANTIBODIES
TITLE OF INVENTION: RECOMBINANT PCR STRATEGY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: ARIENGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/039,198B
FILING DATE: 29-JUL.1993
CURSIFICATION: 435
CURRENT APPLICATION NUMBER: US/08/039,198B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.7%; Score 15; DB 4; Le
Best Local Similarity 100.0%; Pred. No. 7.2e+02;
Matches 15; Conservative 0; Mismatches 0;
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APPLICATION NUMBER: PCT/GB91/01744
FILING DATE: 08-0CT-91
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J
REGISTRATION NUMBER: 132,955
REFERENCE/COCKET NUMBER: 1430-86
TELECOMMUNICATION INFORMATION:
                 APPLICATION NUMBER: US/09/421,632
                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/724,586
FILING DATE:
ATTORNEY_AGENT INFORMATION:
NAME: Player, William E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10505/P5
TELEPHONE: (202) 638-666
INFORMATION FOR SEQ ID NO: 3:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: NIXON & VANDERHYE P.C. STREET: 1100 NORTH GLEBE ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEO ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1460 cctacggccggatcc 1474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18 CCTACGGCCGGATCC 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08:039-198B-3/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ANTI-SENSE:
US-09-421-632-3
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| Sequence 3, Application US/09421632 |
| Patent No. 6277B17 |
| Patent No. 6277B17 |
| Patent No. 6277B17 |
| APPLICANT |

TITLE OF INVENTION: Cloning, Expression, and Uses of Human TITLE OF INVENTION: Lactoferrin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.7%; Score 15; DB 3; Length 36; 100.0%; Pred. No. 7.2e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                    COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: TEM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,586
FILING DATE: 30-SEPT-1996
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US/08/238,445
ATTORNEY/AGENT INFORMATION:
NAME: PLAYEY WILLIAM E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10505/P58185C
TELECOMMUNICATION: NUMBER: 10505/P58185C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                   STREET: Jacobson, Price, Holman & Stern STREET: 400 Seventh St. N.W. CITY: Washington D.C. 2IP: 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: Jacobson, Frice, Holman & Stern STREET: 400 Seventh St. N.W. CITY: Washington D.C. COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (202) 638-6666
TELEFAX: (202) 393-5350
TIPORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTENISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1460 cctacggccggatcc 1474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.
Matches 15; Conservative
                                                              NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jacobson,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ANTI-SENSE:
US-08-724-586-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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45 base pairs

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RESULT 23
US-09-08-389A-19
US-09-058-389A-19
Sequence 19, Application US/09058389A
SEQUENCE INFORMATION: APPLICANT: Belt, Judith A. APPLICANT: Patel, Divyen
TITLE OF INVENTION: (NBMPR)-INSENSITIVE, EQUILIBRATIVE, NUCLEOSIDE TRANSPORT TITLE OF INVENTION: USE
TITLE OF INVENTION: USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                               Length 72;
                                                                                                                                                                                                                                                                                                                                                        Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
                                                                                                                                                                                                                                                                   DB 2; Leus
n. 7.3e+02;
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COMPUTER: IBM PC Compatible
OCREMING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/058,389A
FILING DATE: APPLIL 9, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.7%; Score 15; DB 3; Ls Best Local Similarity 100.0%; Pred. No. 7.3e+02; Matches 15; 'Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                      Query Match 0.7%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 7.3 Matches 15; Conservative 0; Mismatches
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DESCRIPTION: /desc = "intron 9"
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NAME: Jackson Esq., David A.
REGIESTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
                                                                                                                                                                 MOLECULE TYPE: DNA (genomic) US-08-707-237A-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 19:
                                                                                                                                                                                                                                                                                                                                                                                                              1748 catecgecagggee 1762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 104 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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                                               LENGTH: 72 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                 27 CATCCGCCAGGGCCC 41
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MEDIUM TYPE: Floppy
                                                                                                                                       TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
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US-09-058-389A-19
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                                                                                                                                                                                                                                                                         0.7%; Score 15; DB 2; Length 45; 100.0%; Pred. No. 7.2e+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Ferrati, Franco A.
APPLICANT: Capello, Joseph
APPLICANT: Capello, Joseph
APPLICANT: Cissman, John W.
APPLICANT: Cissman, Mary A.
TITLE OF INVENTION: METHODS FOR PREPARING SYNTHETIC
TITLE OF INVENTION: REPETITIVE DNA
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TEM PC Compatible
COMPUTER: TEM PC Compatible
COMPUTER: TEM PC Compatible
COMPUTER: TEM PC COMPUTER:
COMPUTER: TEM PC COMPUTER:
COMPUTER: PatentIn Release #1.0, Version #1.30
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/175,155
FRING DATE: 29-DEC 1993
READ APPLICATION NUMBER: US 08/053,049
FILING DATE: 22-DER-1993
PRIOR APPLICATION NUMBER: US 07/609,716
FILING DATE: 06-NOV-1990
PRIOR APPLICATION NUMBER: US 07/269,429
FILING DATE: 199-ANOV-1980
FILING DATE: 29-OCT-1987
FILING DATE: 190-OCT-1987
FILING DATE: TRECENTION NUMBER: TECCHION NUMBER: TECCHI
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REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: A-55186-10/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: 910 2/7299
INFORMATION FOR SEQ ID NO: 47:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 47, Application US/08707237A Patent No. 5830713 GENERAL INFORMATION:
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: SSDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
                                                                                                                                                                                                                                                                                                                                               Conservative
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Best Local Similarity
Matches 15; Conserva
                                                                                                                                                       ; ANTI-SENSE: NO US-08-039-198B-3
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: Ploppy disk
CORPERATIONS SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/105,483
FILING DATE: 12-AUG-1993
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/847,951
FILING DATE: 06-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: FFORMER: William S.
REGISTRATION NUMBER: 25,506
REPRENCE/DOCKET NUMBER: 25,506
REPRENCE/COCKET NUMBER: 454310-2400
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-333
TELEFRAX: (212) 840-0712
INFORMATION FOR SEO ID NO: 197:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TWENT: MEDICALING BATES
TWENT: READAMETER TO THE TOWNEY TOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 26
US-08-105-483-197/C
Sequence 197, Application US/08105483
Patent No. 5494807
GENERAL INFORMATION:
APPLICANT: Paoletti, Enzo
TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: STRAIN
NUMBER OF SEQUENCES: 462
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Curtis, Morris & Safford ADDRESSEE: C/O William S. Frommer STREET: 530 Fifth Avenue STREET: Naw York STATE: NY
                    FILING DATE: OCTOBER 26, 1995
ATORNEY AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (7-3510
INFORMATION FOR SEQ ID NO: 7661:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
60/005,974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         71.48;
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Best Local Similarity 71.4
Matches 10; Conservative
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STRANDEDNESS: single
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear
US-08-584-040-7661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 10036
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US-08-105-483-197
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                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: LO, DONALd C.
APPLICANT: Lo, Donald C.
APPLICANT: Lo, Donald C.
APPLICANT: Lo, Donald C.
APPLICANT: Barney, Shawn
APPLICANT: Thomas, Mary Beth
APPLICANT: Portbury, Stuart D.
APPLICANT: Purnent Katz, Lawrence C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
TITLE OF INVENTION: COMPOSITIONS AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
TITLE OF INVENTION: CELL DEATH
FILLE REPERENCE: 10001-005-999
CURRENT APPLICATION NUMBER: US/09/461,697
CURRENT APPLICATION NUMBER: US/09/461,697
SOFTWARE: FASLESQ for Windows Version 4.0
SSOFTWARE: FASLESQ for Windows Version 4.0
SEQ ID NO 78
LENGTH: 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
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GENERAL INFORMATION:

APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Bacobedo, James
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISSASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: GROWTH FACTOR
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lvon
STREET OF LIVE OF LATE OF LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.7%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 7.3 Matches 15; Conservative 0; Mismatches
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
                                                                                          RESULT 24

US-09-461-697-78/C

: Sequence 78, Application US/09461697

: Patent No. 6277974
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        75 atggctctgagggga 89
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   24 GGCAGGCCAGGGGGT 38
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CLASSIFICATION: 514
PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-461-697-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Los Angeles
California
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COUNTRY: U.S.A.
ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 25
US-08-584-040-7661
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Gaps

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ATTORNEY/AGENT INFORMATION
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: New York
                                                                           NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                      STATE: NEW COUNTRY: UN ZIP: 10036
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STATE:
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Sequence 78, Application US/08413118
Patent No. 5688920
GENERAL INFORMATION:
APPLICANT: PAOLETT, ENZO
APPLICANT: LIMBACH, KEITH J.
TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID SEQUENCES OF
TITLE OF INVENTION: CANINE HERPESVIRUS 9B, 9C, AND 9D AND USES THEREFOR
NUMBER OF SEQUENCES: 128
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                         APPLICANT: Internation:
APPLICANT: Limbach, Keith J.
APPLICANT: Limbach, Keith J.
TITLE DE INVENTION: NUCLECTIDE AND AMINO ACID SEQUENCES OF
TITLE OF INVENTION: CANINE HERPESVIRUS 9B, 9C AND 9D AND USES THEREFOR NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESS:
ADDRESSE: Curtis, Morris & Safford
STREET: 530 Fifth Avenue
CITT: New York
                                                   Gaps
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0.7%; Score 14; DB 1; Length 18;
100.0%; Pred. No. 2.2e+03;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.2e+03;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA

COUNTRY: USA

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: TBM PC compatible
COMPUTER: TBM PC compatible
COMPUTER: TBM PC compatible
COMPUTER: TBM PC compatible
COMPUTER: TBM PC COMPUTER:
CLESSIFICATION NUMBER: US/08/220,151
FILING DATE: 30 -WAR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REFERENCE/POCKET UNBER: 25,506
REFERENCE/COKET UNBER: 25,506
REFERENCE/COKET UNBER: 25,506
REFERENCE/COKET UNBER: 45310-2540
TELEFRAM: (212) 840-333
TELEFRAM: (212) 840-313
TELEFRAM: (212) 840-0712
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LEMCTH: 18 have publice.
                                                                                                                                                                                                                                              Sequence 78, Application US/08220151
Patent No. 5529780
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 14; Conservative
                                          Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                    56 gatgaagacgatga 69
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                                                                                                                 ; MOLECULE TYPE: CDNA
US-08-220-151-78
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                     Best Local Similarity
                                                                                                                                                                                                                      US-08-220-151-78/c
Query Match
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APPLICANT: PAOLELL, Enzo
APPLICANT: Tartaglia, James
APPLICANT: Tartaglia, James
APPLICANT: Taylor, Jil
TITLE OF INVENTION: PROVINUS - CANINE DISTEMPER VIRUS (CDV)
TITLE OF INVENTION: RECOMBINANTS AND COMPOSITIONS AND METHODS EMPLOYING THE
TITLE OF INVENTION: RECOMBINANTS
NUMBER OF SEQUENCES: 122
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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                                                                                                                                        COMPUTER READABLE FORM:
WEDDUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
APPLICATION NUMBER: US/08/413,118
FILING DATE: 29-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/224,657
FILING DATE: 06-APR-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.7%; Score 14; DB 1; L
100.0%; Pred. No. 2.2e+03;
ive 0; Mismatches 0;
ADDRESSEE: CURTIS, MORRIS & SAFFORD, P.C.
STREET: 530 FIFTH AVENUE, 25TH FLOOR
CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/220,151
FILING DATE: 30-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: FROMMER, WILLIAM S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 25,506
TELECOMMUNICATION INFORMATION:
                                                                                                 UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-224-657-54/c
; Sequence 54, Application US/08224657
; Patent No. 5756102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 78
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.7
Best Local Similarity 100.
Matches 14; Conservative
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Gaps

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Length 18;
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                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: FULLAND EN APPLICANT: PETRUS, MARION E. APPLICANT: Taylor, Jill APPLICANT: Niviere, Michel APPLICANT: Michel, Melth J. APPLICANT: Limbach, Keith J. APPLICANT: Limbach, Keith J. APPLICANT: Dohnson, Gerard P. APPLICANT: Pincus, Steven E. APPLICANT: Audonnet, Jean-Christophe Francis APPLICANT: Gettig, Russell Robert TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE TITLE OF INVENTION: STRAIN NUMBER OF SEQUENCES: 467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/458,101
FILING DATE: 01-70N-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
   Query Match 0.7%; Score 14; DB 1; LA Best Local Similarity 100.0%; Pred. No. 2.2e+03; Matches 14; Conservative 0; Mismatches 0;
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REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2740
TELECOMMUNICATION INFORMATION:
TELETENONE: (212) 840-3333
TELETAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 197:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Curtis, Morris & Safford ADDRESSEE: C/O William S. Frommer STREET: S30 Fifth Avenue CITY: New York STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 197, Application US/08458101 Patent No. 5766599 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Paoletti, Enzo
                                                                                                                                                    56 gatgaagacgatga 69
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        δ
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100.0%; Pred. No. 2.2e+03;
tive 0; Mismatches 0; Indels
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COMPUTER: IBM PC compatible
COMPUTER: TBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/709,209
FLING DATE: 21-AUG-1996
CLASSIFICATION 1424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/105,483
FILING DATE: 12-AUG-1993
APPLICATION NUMBER: US 07/847,951
FILING DATE: 06-MAR-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Paoletti, Enzo
TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: STRAIN
NUMBER OF SEQUENCES: 462
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford
ADDRESSEE: Curtis, Morris & Frommer
STREET: 530 Fifth Avenue
CITY: New York
NAME: Frommer, William S.
REGISTARTION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2550
TELECOMUNICATION INFORMATION:
TELEFAX: (212) 840-333
TELEFAX: (212) 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2400
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 197, Application US/08709209
Patent No. 5762938
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 197:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.7
Best Local Similarity 100.
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14 GATGAAGACGATGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; MOLECULE TYPE: CDNA
US-08-224-657-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
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US-08-709-209-197/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10036
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RESULT

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0.7%; Score 14; DB 2; Length 18; 100.0%; Pred. No. 2.2e+03;
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Martin, P, Stehelin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: Genomic DNA
DESCRIPTION: c-myc gene (Accession # X00364,
DESCRIPTION: K01908, V00501) nucleotides 6663 to 6680
HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AUTHORS: Colby, W W, Chen, E Y, Smith, D H, AUTHORS: Levinson, A D. TITLE: Identification and nucleotide TITLE: Identification and nucleotide TITLE: sequence of a human locus homologous to the vITILE: myc oncogene of avian myelocytomatosis virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AUTHORS: Saito, H, Hayday, A C, Wiman, K G, AUTHORS: Hayward, W S, Tonegawa, S. TITLE: Activation of the c-myc gene TITLE: by translocation: a model for translational
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE: human c-myc locus: provocative open reading TITLE: frame within the first exon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         proteins related to the human c-myc exon 1 : EMBO Journal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORIGINAL SOURCE:
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
AUTHORS: Gazin, C, Dupont, S, de Dinechin,
AUTHORS: Hampe, A, Masson, J M, Martin, P,
AUTHORS: D, Galibert, F.
TITLE: Nucleotide sequence of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Proceedings of the National Academy
Sciences, USA
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
PPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION 1435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATE: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: US 18-6
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION (212) 708-1880
TELECOMUNICATION TO SEQ ID NO: 11:
SEDQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: NUCLeic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; RELEVANT RESIDUES IN SEQ ID NO: US-08-173-489C-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JOURNAL: EMBO Journal VOLUME: 3
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301
722-725
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JOURNAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JOURNAL:
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Sequence 11. Application US/08173489C

Patent No. 5861244

GENERAL INFORMATION:

APPLICANT: WANG, C. -G.

APPLICANT: HEPBURN, A. G.

TITLE OF INVENTION: TRIPLE-STRAND FORMATION.

NUMBER OF SEQUENCES:

ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,

STREET: 510 EAST 73RD STREET,

CITY: NEW YORK

STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.7%; Score 14; DB 2; Length 18;
100.0%; Pred. No. 2.2e+03;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIOW TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/184,009

FILING DATE: 19-JAN-1994

CLASSIFICATION: 435

ATTOMNEY/AGENT INFORMATION:

NAME: Frommer, William S.

REGISTRATION NUMBER: 25,506

REGISTRATION FOR SEQ ID NO: 52:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: NUCLeic acid

STRANDEDNESS: single
                                                                                                       APPLICANT: Pacietti, Enzo
APPLICANT: Pacietti, Enzo
APPLICANT: Tartaglia, James
APPLICANT: COX, William I.
TITLE OF INVENTION: RECOMBINANT VIRUS IMMUNOTHERAPY
NUMBER OF SEQUENCES: 217
CORRESPONDENCE ADDRESS:
ADDRESSE: Guttis, Morris & Safford
STREET: S30 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
                                Sequence 52, Application US/08184009
Patent No. 5833975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.7
Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA ZIP: 10036 COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               56 gatgaagacgatga 69
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear; MOLECULE TYPE: CDNAUS-08-184-009-52
                                                                                       GENERAL INFORMATION:
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STATE:
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COUNTRY:
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US-08-417-210A-52/C
Sequence 52, Application US/08417210A
Sequence 52, Application US/08417210A
Sequence 10. 5863542
GENERAL INFORMATION:
APPLICANT: PARDLETTI, ENZO
APPLICANT: TARTAGLIA, JAMES
APPLICANT: COX, WILLIAM I.
TITLE OF INVENTION: IMMUNODEFICIENCY RECOMBINANT POXVIRUS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: CURTIS, MORRIS & SAFFORD, P.C.
STRRET: 530 FIFTH AVENUE
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ő
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       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 35
US-08-585-64B-2737/C
; Sequence 2737, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: MCSWIGGEN, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 10036
COMPUTER REAABLE FORM:
MEDIUM TYPE: Floppy disk
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/417,210A
FILING DATE: 05-APR-1995
CLASSIFICATION: 435
ATTOMEX/AGENT INFORMATION:
    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: KOWALSKI, THOMAS J.
REGISTRATION NUMBER: 32,147
REFERENCE/POCKET NUMBER: 454310-2690
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-840-3333
INFORMATION FOR SEQ. ID NO: 52:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; MOLECULE TYPE: DNA (genomic) US-08-417-210A-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
Matches 14; Conservative
                                                                    3 GAAGATGAGGAAGA 16
                                            11 gaagatgaggaaga 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        56 gatgaagacgatga 69
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CITY: Los Angeles
COMPUTE: California
COMPUTE: California
COMPUTE: 1.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 1.5" Diskette, 1.44 Mb
MEDIUM TYPE: 1.5" Diskette, 1.6"
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWHERE: FacEGO Version 1.5
COMPUTE: January 16, 1996
FRIING APPLICATION NUMBER: 05/000, 951
FRIING APPLICATION NUMBER: 10, 1996
APPLICATION NUMBER: 10, 1995
APPLICATION NUMBER: 3, 337
REFERENCE/COCKT NUMBER: 3, 337
MARE: Warbury Richard
REGISTRATION TROMARATION:
TELEPHONE: (213) 489-1600
TELEPHONE: (7-35)
TELECHONE: (7-35)
TELECHONE: (13) 95-0440
INFORMATION FOR SEQ ID NO: 2737:
SEQUENCE CHARACTESTICS:
TELER: 67-3510
INFORMATION FOR SEQ ID NO: 2737:
SEQUENCE CHARACTESTICS:
TELER: 10, 11 B base pairs
TYPE: nucleic acid
STRANDEDNESS: 31091e

COMPUTER: 11 INGAT
US-08-585-6848-2737

OUETY MATCh
Best Local Similarity 100.04; Pred. No. 2.2e+03;
MATCHES 14; Conservative 0; Mismatches 0; Indels

QY 1155 cagcaagcagccat 1168
DD 15 CAGCAGCAGCCAT 2
Search completed: May 17, 2002, 18:18:30
Job time: 6691 sec
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COMPUTER READABLE FORM:
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                                                                                                                                 May 17, 2002, 16:26:59 ; Search time 90.41 Seconds (without alignments) 5474.522 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           52, Appl
3, Appli
3, Appli
3, Appli
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  615614
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
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US-08-859-998-598
US-09-225-928-598
US-08-951-923-51
US-08-584-040-6218
US-08-400-580A-11
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-08-584-040-7661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-287-796-42
US-09-130-616-31
US-09-130-616-42
US-08-730-876-2
US-09-222-616-2
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US-08-724-586-3
US-09-421-632-3
US-08-039-198B-3
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-08-942-423-51
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US-09-058-389A-19
                                                                                                                                                                                                                                                                                                                                                                                                  383533 seqs, 122816752 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Listing first 65 summaries
                                                                                          nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                           OLIGO_NUC
Gapop 60.0 , Gapext 60.0
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                                                                                                                                                                                                                              US-10-007-010-3
2015
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Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 105
                                                                                                                                                                                                                              Title:
Perfect score:
Sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Word size :
                                                                                        nucleic
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                                                                                                                                    Run on:
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App App Appl Appl Appl Appl Appl Appl 78, Appl 2737, Ap 52, Appl 54, Appl 44, Appl 44, Appl 66, Appl 66, Appl Appl Appl Appl Appli Sequence US-08-173-489C-11 US-08-417-2103-52 US-08-55-6848-2737 US-08-458-356-52 US-08-473-446-78 US-09-038-073-2737 US-08-460-736-52 US-08-460-736-52 US-08-639-763-6 US-08-639-763-6 US-08-639-763-6 US-08-953-094-66
US-07-955-916-2
US-08-379-078-549
US-07-974-409C-172
PCT-US93-00977-172
US-07-849-17
US-08-151-574-39 US-08-485-573-15 US-08-914-848-8 US-08-944-868A-15 US-08-944-423A-15 US-08-709-209-197 US-08-458-101-197 US-08-184-009-52 US-08-480-994-15 US-08-616-844-15 US-08-419-448-39 US-08-391-000-39

Sequence 31, Application US/08910629A

Sequence 31, Application US/08910629A

Patent No. 5877309

GENERAL INFORMATION:
APPLICANT: Nicholam M. Dean
APPLICANT: Nicholam M. Dean
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
CITY: MarIton

STATE: NJ 9 MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MEDIUM TYPE: STORAGE APPLICATION NUMBER: US/08/910,629A FILING DATE: August 13, 1997 CLASSIFICATION: 514 PRIOR APPLICATION DATA: COMPUTER: PENTIUM OPERATING SYSTEM: WINDOWS 95 SOFTWARE: WORDPERFECT 6.1 CURRENT APPLICATION DATA:



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Query Match 0.9%; Score 18; DB 3; Best Local Similarity 100.0%; Pred. No. 23; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT FILING DATE: 1999-04-07
EARLIER APPLICATION NUMBER: 09/130,616
EARLIER FILING DATE: 1998-08-07
EARLIER FILING DATE: 1998-08-07
EARLIER FILING DATE: 1997-08-03
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 31
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Synthetic Sequence US-09-287-796-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: antisense sequence US-09-209-668-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 31, Application US/09287796A Patent No. 6133246
                                                                                 100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1300 gactttggcctggcccgg 1317
                                                                                                                                                           1300 gactttggcctggcccgg 1317
                                                                                                                                                                                    1 GACTITGGCCIGGCCCGG 18
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                                                                         Query Match 0.9
Best Local Similarity 100.
Matches 18; Conservative
8
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US-09-287-796-31/c
; ANTI-SENSE:
US-08-910-629A-42
                                                                                                                                                                                                                                                                                US-09-209-668-7/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 7
LENGTH: 20
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US-08-910-629A-42
Sequence 42, Application US/08910629A
Sequence 42, Application US/08910629A
Setent No. 5877309
GENERAL INFORMATION:
APPLICANT: Robert A. McKay
APPLICANT: Nicholas M. Dean
APPLICANT: Brett Monia
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION OF JNK
TITLE OF INVENTION: PROTEINS
TITLE OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                               ő
                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Law Offices of Jane Massey Licata
66 East Main Street
                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 18; DB 2;
100.0%; Pred. No. 23;
1ve 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 08053
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB
MEDIUM TYPE: STORAGE
        FILING DATE:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0215
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-2400
TELEFAX: (609) 779-8488
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTATION NUMBER: 32,257
REPRENCE/DOCKET NUMBER: ISPH-0215
TELECOMMUNICATION INFORMATION:
TELEFAN: (609) 779-2400
TELEFAN: (609) 779-8488
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: PENTIUM
OPERATING SYSTEM: WINDOWS 95
SOCTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,629A
FILING DATE: August 13, 1997
CLASSIFICATION 574
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1300 gactttggcctggcccgg 1317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20 GACTITGGCCTGGCCCGG 3
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                             STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-910-629A-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Marlton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08053
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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Sequence 7, Application US/09209668A

Sequence 7, Application US/09209668A

Patent No. 6114517

GENERAL INFORMATION:
APPLICANT: Monia, Brett P.
APPLICANT: Monia, Brett P.
APPLICANT: Xu, Xiaoxing S.
TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR
TITLE OF INVENTION: alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES
CURRENT APPLICATION NUMBER: US/09/209,668A

CURRENT APPLICATION NUMBER: 1998-12-10
NUMBER: OF SEQ ID NOS: 25
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: MCKAY, Robert A.
APPLICANT: Dean, Nicholas M.
APPLICANT: Dean, Nicholas M.
APPLICANT: Monia, Brett
APPLICANT: Moro, Pam
APPLICANT: Gaarde, William A.
TITLE OF INVENTION: ANTISENSE OLICONUCLEOTIDE COMPOSITIONS AND METHODS
TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
FILE REFERENCE: ISPH-0350
CURRENT APPLICATION NUMBER: US/09/287,796A
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Length 20;
                                                             Indels
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The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, anglopoietin, apporteis related proteins, cadherin, cytolin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the appetides encodes, by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, concerned to the prevented of the prevented o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autolmmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 3170; 4143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                      28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                                                                                                             28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Shimkets RA, Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-465210/50.
                                                                                                                                                                                                                                                   05-JUL-2001.
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                                                                                                                                                                                                               sequences which did not match with sequences deposited in Genbank release 76. The GS sequences (T19001-T26837) were obtained from 3'-directed cDNA libraries prepared from various human tissues; synthesis of cDNA was initiated from the 3'-end of mRNA by using poly(T) as the sole primer. Each library is constructed so as to reflect accurately the relative abundance of different mRNAs in the particular tissue from which it was derived. The appearance frequency of a given GS in a cDNA library can be determined (esp. using primers and probes derived from the GS sequences) as a means of diagnosing abnormal cell function or for recognising different cell types. The primers #141207-8 amplify clone pm0112 which comprises the GS HUMGS001089 (T20089), located on chromosome 20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Primers 141001-141382 are derived from novel human gene signature (GS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identifying gene signatures in 3'-directed human cDNA library for diagnosis of abnormal cell function, by preparing cDNA that reflects relative abundance of corresp. mRNA in specific human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2245pp;/Japanese.
May 18 14:43:30 2002
                                                                                                                                                                                                               polymerase chain reaction; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93JP-0355504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matsubara K, Ókubo K;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MATS/) MATSUBARA K. (OKUB/) OKUBO K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 7; Fig 8¢
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                                 Gaps
0.9%; Score 19; DB 22; Length 51; 100.0%; Pred. No. 61; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                           Human SNP oligonucleotide #6233.
                                                                                                                                                          AAL33025/c
ID AAL33025 standard; DNA; 51 BP.
                                                              1232 actacatccaccgagacct 1250
                                                                                 25 ACTACATCCACCGAGACCT 7
                                                                                                                                                                                                                                           24-JAN-2002 (first entry)
 Query Match 0.9
Best Local Similarity 100.
Matches 19; Conservative
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0; Gaps

1.0%; Score 20; DB 16; Length 20; 100.0%; Pred. No. 19; tive 0; Mismatches 0; Indels

Query Match
Best Local Similarity 100.0
Matches 20; Conservative

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Sequence 20 BP; 2 A; 6 C; 4 G; 8 T; 0 other;

Sequence 51 BP; 7 A; 14 C; 19 G; 11 T; 0 other;

multifactorial disease; autoimmune disease; infection; nervous system disease; ss.

Immunosuppressive; immunostimulatory; antlinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoletin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinase; cytokine; interferon; miterleukin, Grprotein coupled receptor; thioesterase; inflammation; nervous system disease; sutoimmune disease; infection;

WO200147944-A2

Homo sapiens

Human SNP oligonucleotide #6232.

24-JAN-2002 (first entry)

BP.

AAL33024/c ID AAL33024 standard; DNA; 51

AAL33024;

WO200147944-A2 Homo sapiens

05-JUL-2001.